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AUTHOR Liebowitz, Jay, Ed.; Prerau, David S., Ed.
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ABSTRACT

This is an international collection of 12 papers addressing artificial intelligence (AI) and knowledge technology applications in telecommunications and network management. It covers the latest and emerging AI technologies as applied to the telecommunications field. The papers are: "The Potential for Knowledge Technology in Telecommunications: A Quick Look" (J. Liebowitz); "Expert Systems for Telecommunications Dispatch Analysis and Remote Trouble Resolution" (D. S. Prerau); "Expert System for Service Order Information Entry" (S. Watanabe and F. Hattori); "Help Desk Applications at Telesoft" (F. Giovannini and V. Ripa di Meana); "Network Management Using Real-Time Expert Systems" (W. Fuller and S. Miksell); "AI for Managing Telecommunication Networks" (M. De Beler and others); "AI and Intelligent Networks in the 1990s and into the 21st Century" (L. Lewis); "Speech Recognition and Understanding (R. De Mori and others); "Neural Networks in Telecommunications: Applying Adaptive AI" (T. Loofbourrow); "The Use of Hybrid Intelligent Systems in Telecommunications" (R. Weihmayer and H. Velthuijsen); and "Learning Agents for Telecommunication" (M. R. Adler and W. J. Frawley). An author index and an affiliation index are also provided. (AEF)

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